Index of Claims

| App | licatior | /Conf | rol | No. | |
|-----|----------|-------|-----|-----|--|

09/993,518

Examiner

JAMES C. KERVEROS

Applicant(s)/Patent under Reexamination

KIM, DONG-HYUN

Art Unit

2133

Rejected — (Through numeral) N

Allowed + Restricted

| | N | Non-Elected |
|--|---|-------------|
|--|---|-------------|

Interference

| A | Appeal |
|---|----------|
| 0 | Objected |

| | | | <u> </u> | | | | J | | | |
|----------|---|----------|--------------|--|--------------|----------|--|--|----------------|-----------------|
| Cla | | r | | | | D-4. | | | | |
| Cla | | | | г | | Date | = | _ | - | - |
| _ | Original | h | | | | ĺ | l | | | 1 1 |
| Final | ·Ë | 2 | | | | ļ | | | | |
| iI. | Ě | 2 | L | | | | | | | 1 1 |
| | | 3 | | | | | | | | |
| | 1 | | | | | | | | | |
| | 1 | | | | | | | | | |
| | 3 | | | | | Г | | Г | | П |
| | 1 4 5 | | _ | _ | | | \vdash | | | П |
| 12 | 157 | | - | | - | | \vdash | - | - | Н |
| 17. | 6 | 5 | | \vdash | \vdash | \vdash | | - | | Н |
| | 6 | _ | \vdash | \vdash | \vdash | ┝ | ┝ | ┢ | ┝ | Н |
| \vdash | - | \vdash | ┝ | - | \vdash | ┝ | ⊢ | - | | \vdash |
| \vdash | 1 | <u> </u> | - | ⊢ | <u> </u> | _ | _ | <u> </u> | ├ | - |
| | 1 | <u> </u> | <u> </u> | \vdash | Ь— | _ | <u> </u> | _ | <u> </u> | Ш |
| <u> </u> | IID. | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \sqcup |
| ļ | 111 | | | <u> </u> | L. | L., | | | | Щ |
| | 19, | <u> </u> | L. | 匚 | L_ | <u> </u> | <u> </u> | oxdot | Ш | |
| 3 | 43/ | _ | | | | L | L | L_ | | Ш |
| _4 | 14 - | | L | | | L | | | | |
| | 15 | | | | | | | | | |
| | 16 | | | | | | | | | |
| 5 | 10 11 12 (7) 14 15 16 18 11 20 21 22 23 24 25 26 27 | | | | | Γ | | Г | | \Box |
| | 1B | | _ | Г | | Г | \Box | | | П |
| | 10 | П | \vdash | | | | | | | |
| | 20 | - | _ | - | | <u> </u> | _ | ┢ | | H |
| | 21 | - | - | - | - | \vdash | | \vdash | | Н |
| - | 22 | \vdash | H | | _ | \vdash | | \vdash | | Н |
| | 22 | - | - | \vdash | _ | \vdash | | \vdash | \vdash | Н |
| - | 23 | | - | | - | ┝ | | <u> </u> | | H |
| | 24 | _ | _ | - | _ | | - | - | _ | Н |
| | 25 | _ | ⊨ | <u> </u> | _ | <u> </u> | _ | - | _ | \vdash |
| | 26 | | _ | _ | | <u> </u> | _ | _ | | _ |
| | 27 | | | | ļ | Ľ | | | | Ш |
| | 28 29 | | | | | _ | | _ | | Ш |
| | 29 | | | Ш | L. | <u> </u> | | <u> </u> | | Щ |
| | 30 | | | L | | | | <u> </u> | | Ш |
| | 31 | | _ | $ldsymbol{ld}}}}}}$ | | <u> </u> | L | <u> </u> | | |
| | 32 | آا | | $oxedsymbol{oxed}$ | L_ | | | L | $oxed{oxed}$ | |
| | 30 31 32 33 34 | | | | L | | | | | |
| | 34 | | | | | | | | | |
| | 35 | | | | | | | | | |
| | 36 | | - | | | | | | | |
| | 36 37 | | | | | | | | | |
| | 38 | | Г | | | | | П | П | \square |
| \Box | 39 | | | | Т | П | Ι- | | | П |
| | 40 | Т | \vdash | | \vdash | | _ | | _ | \vdash |
| \vdash | 41 | \vdash | \vdash | \vdash | \vdash | \vdash | | \vdash | | $\vdash \vdash$ |
| \vdash | 42 | | - | \vdash | \vdash | ├ | - | | | \vdash |
| \vdash | 43 | Ь- | \vdash | - | \vdash | \vdash | \vdash | \vdash | H | H |
| \vdash | | H | \vdash | \vdash | - | - | <u> </u> | \vdash | - | \vdash |
| | 44 | <u> </u> | | | <u> </u> | <u> </u> | <u> </u> | \vdash | <u> </u> | Н |
| | 45 | Щ | L | _ | L. | <u> </u> | L. | \sqcup | | Ш |
| | 46 | L | _ | | _ | | | | L | Ш |
| | 47 | | _ | $oxed{oxed}$ | | <u> </u> | Ш. | $ldsymbol{ld}}}}}}$ | L. | Ш |
| | 48 | | | | | | | | | Ш |
| | 49 | | | | | | L | | | |
| | 50 | | | | | | | | | |
| | | | | | | | | | | |

| Cla | aim | Γ- | | | - (| Date | | | | |
|----------|----------|--|----------|----------|----------|----------|----------|--------------|----------|--|
| | | | Г | | | | | | | |
| Final | Original | | | | | | | | | |
| | 51 | | | | | | | | | |
| | 52 | | | | | | | | | |
| | 53 | | | | | | | | | |
| L | 54 55 | | | | | | | | | |
| | 55 | | | L | | | _ | | | L |
| | 56 | | | ļ | | | | | | L |
| | 57 | | | _ | | | | | | _ |
| L | 58 | | | | | | | ļ | | <u> </u> |
| | 59 | _ | | _ | | | | | <u> </u> | |
| | 60 61 | - | | | - | | _ | | | |
| - | | _ | | | - | _ | | H | | _ |
| | 62 63 | | | \vdash | \vdash | \vdash | _ | ⊢ | \vdash | _ |
| | 64 | \vdash | - | - | \vdash | | | \vdash | \vdash | |
| | 65 | | _ | - | \vdash | | | \vdash | \vdash | _ |
| | 66 | _ | | | | | _ | | | |
| | 67 | _ | | | | _ | - | | | |
| | 68 | | | | | | | | | |
| | 69 | | | | | | | | | |
| | 70 | | | | | | | | | |
| | 71 72 | | | | | | | | | |
| | 72 | | | | | | | | | |
| | 73 | | | | | | | | | |
| | 74 | | | | _ | | | | | _ |
| | 75 | | | _ | | | | | | <u> </u> |
| | 76 77 | _ | _ | _ | | _ | | _ | | _ |
| | 78 | \vdash | _ | | | | | _ | _ | \vdash |
| \vdash | 79 | H | | | - | - | _ | _ | _ | - |
| \vdash | 80 | H | | - | | - | - | | | _ |
| | 81 | H | | | | | - | | | |
| | 82 | | | | | | | | | |
| | 83 | | | | | | | | | |
| | 84 | | | | | | | | | |
| | 85 | | | | | | | | | |
| | 86 | | | | | | | | | |
| | 87 | L_ | | | Щ | \sqcup | _ | | | <u> </u> |
| | 88 | <u> </u> | | <u> </u> | L. | \vdash | _ | _ | <u> </u> | L. |
| - | 89 | <u> </u> | | _ | H | Ь | | <u> </u> | <u> </u> | |
| - | 90 91 | <u> </u> | \vdash | - | H | - | \vdash | - | - | <u> </u> |
| | 92 | Η- | | | - | _ | _ | - | - | _ |
| \vdash | 93 | \vdash | - | \vdash | H | \vdash | - | | \vdash | - |
| - | 94 | \vdash | _ | \vdash | - | Н | - | \vdash | \vdash | |
| | 95 | <u> </u> | | Т | П | | | - | | _ |
| | 96 | | | | | | _ | | | |
| | 97 | | | | | | | | | |
| | 98 | | | | | | | | | |
| | 99 | | | | | | | | | |
| | 100 | لـــا | | | L | | | | | |

| Cli | Claim | | | Date | | | | | | \neg |
|-------|--------------------------|----------|----|----------|----------|----------|----------|--------------|----------|----------------|
| | | | | | | | | П | | |
| Final | Original | | | | | | | | | |
| | 101 | | | | | | | | | |
| | 102 103 | | | | | | | | | |
| | 103 | _ | | | L | ļ., | ļ | <u> </u> | | |
| | 104 105 | | | _ | | _ | | _ | L | |
| | 105 | _ | _ | | _ | <u> </u> | | <u> </u> | | |
| | 106 107 | | | - | | <u> </u> | ┝ | | | Н |
| | 108 | | | | - | H | | ⊢ | _ | Н |
| | 100 | - | | ┝ | \vdash | | | \vdash | | H |
| | 110 | | | \vdash | \vdash | _ | _ | \vdash | | П |
| | 111 | | | | | | | | | |
| | 110 111 112 | | | | | | | | | |
| | 113 | | | | | | | | | |
| | 113 114 115 | L_ | _ | L_ | | | | | | Ш |
| | 115 | | _ | | <u> </u> | | _ | L | | Щ |
| | 116 | | | L | _ | \vdash | _ | <u> </u> | | Н |
| - | 116 117 118 119 | | ├- | \vdash | - | \vdash | <u> </u> | H | <u> </u> | Н |
| | 110 | _ | - | - | _ | - | | <u> </u> | - | |
| | 120 | _ | | | | - | | | _ | \vdash |
| | 120 121 122 123 | | | | | | | | | |
| | 122 | | | | | | | | | |
| | 123 | | | | | | | | | |
| | 124 125 126 | | | | | | | | | |
| | 125 | | | | | Ш | | | | |
| | 126 | | | | | | | | | Щ |
| | 127 | | | | | | | | | \blacksquare |
| | 127 128 129 130 | | | | | | | | | Н |
| | 130 | | | \vdash | | | | | | \dashv |
| | 131 | _ | _ | | _ | Н | - | | - | \dashv |
| | 132 | | | | | | | | | \neg |
| | 133 | | | | | | | | | |
| | 132 133 134 | | | | | | | | | |
| | 135 136 | _ | | | | | | | | |
| | 136 | L | | | L | _ | _ | | | Щ |
| | 137 | \vdash | | \vdash | \vdash | <u> </u> | \vdash | \vdash | | |
| | 138 139 | \vdash | | \vdash | | | \vdash | H | | \vdash |
| | 140 | \vdash | | | H | | \vdash | Н | - | \vdash |
| | 141 | \vdash | _ | _ | | \vdash | \vdash | H | \vdash | Н |
| | 142 | | | _ | | Г | | Г | | П |
| | 143 | | | | | | | | | |
| | 144 | | | | | | | | | |
| | 145 | L | _ | | | \Box | | L | | Ш |
| | 146 | _ | | _ | | <u> </u> | <u> </u> | <u> </u> | | Щ |
| | 147 | L | _ | <u> </u> | _ | H | | <u> </u> | <u> </u> | Щ |
| | 148 149 | <u> </u> | | <u> </u> | - | \vdash | <u> </u> | <u> </u> | <u> </u> | Н |
| | 150 | - | | - | _ | \vdash | _ | \vdash | | \vdash |
| | 130 | | | Ц., | | L_ | | L | | ш |